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(54) Title: A METHOD OF AUTOMATICALLY ANALYSING THE STRUCTURE OF A SOFTWARE SYSTEM

A's tree: В C C B's tree: C D's tree: Α В С C C E A В С C E's tree: А В C E

C

. С (57) Abstract: The invention automatically produces a structural analysis of a software system's executables, separated into levels based on 'dependency depth'. Given a simple list of executables' dependencies, the tool automatically produces a dependency table sorted by level, with the least dependent executables listed at the bottom and with the most dependent at the top. This organises the executables in a rational and repeatable manner that clarifies the high-level view of the inter-dependencies between the many executables. It can also be used to decide the order in which executables need to be built where the least dependent executable is built first.



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